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(54) Title: EXPRESSION SYSTEM FOR THE B SUBUNIT OF CHOLERA TOXIN

Portion of the pMT-ctxBthyA-2 plasmid for which DNA sequence has been obtained both on Master Seed lot level and on three consistency batches HindIII SpeI XhoI SacI trpA terminator EcoRI E. coli thyA eltB-ctb eltb signal tac promotor pMT-ctxBthyA-2 (2759 bp) ColE1 ori HindⅢ ClaI

The present invention (57) Abstract: provides an expression system for obtaining improved yield of the B subunit of a cholera toxin (CTB) wherein the expression system comprises a Vibrio cholerae host cell lacking the functionality of a thyA gene; and an expression vector comprising a functional thyA gene and a CTB gene which is substantially free of the flanking sequences immediately contiguous by the 5' and 3' end of the CTB gene in the naturally occurring genome of the host cell from which the CTB gene is derived. The present invention also provides a method of producing CTB, and an isolated nucleic acid construct that is used as an expression vector in the expression system.



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